

EPA ID: MOD007152903 Site Name: LITTON SYSTEMS INC

State ID:

Alias Site Names:

City: SPRINGFIELD

County or Parish: GREENE

State: MO

Refer to Report Dated: 09/29/2006

Report Type: SITE REASSESSMENT 001

Report Developed by: STATE

**DECISION:**

☒ 1. Further Remedial Site Assessment under CERCLA (Superfund) is not required because:

☒ 1a. Site does not qualify for further remedial site assessment under CERCLA (No Further Remedial Action Planned - NFRAP)

☐ 1b. Site may qualify for action, but is deferred to:

☐ 2. Further Assessment Needed Under CERCLA:

2a. Priority: ☐ Higher ☐ Lower

2b. Other: (recommended action) NFRAP (No Further Remedial Action Planned)

**DISCUSSION/RATIONALE:**

This site is the location of a facility that manufactures printed circuit boards and uses metals and VOCs in its plating operations. The site was entered into CERCLIS in 1979. The MDNR conducted several pre-remedial investigations from 1980 through 1988, finding metals and solvent contamination on the site as well as TCE and methylene chloride in private wells and a nearby spring. To avoid Registry listing in November 1991, Litton agreed to conduct remediation activities under a Consent Agreement with the state, which was finalized in 1993. The EPA then archived the site on September 29, 1993, since the site was actively undergoing remediation under a state agreement. However, in 2003, analytical results documented VOCs present in springs north of the site. Evidence of fracture systems from geophysical studies and dye traces led the MDNR to determine that the Litton site was at least a contributor to the springs' contamination. The MDNR requested EPA to de-archive the Litton site for further assessment under CERCLA authority.

The site reassessment (SR) was initiated on November 7, 2003. The goal of the SR was to evaluate the threat posed to human health and the environment due to the historic releases of contaminants at the site. One objective of the SR was to further investigate off-site impacts to the groundwater and surface water pathways to determine the need for potential removal actions. A second objective was to re-evaluate the site under the HRS. The HRS score will determine if the site is eligible for placement on the NPL. Sampling conducted as part of the SR shows impact to shallow groundwater north and east of the Litton site. Two springs, Ritter West Spring (2-3 miles from the Litton site) and Williams Spring (3-4 miles from the Litton site), were impacted by TCE, the predominant VOC at the Litton site, above the MCL. Sediment samples collected at the emergence of these two springs showed copper at levels above EcoTox benchmark values. Copper is also a contaminant of concern at the Litton Systems site. Analytical results from the private residential wells that were sampled (three to four miles north-northeast of the Litton Systems site) shows impacts from TCE. Of 105 wells sampled, 13 showed detectable levels of TCE. One well (DW-08) indicated levels exceeding MCLs.

Based on the data presented in this report, preliminary HRS scoring has been conducted. Litton Systems site would qualify for placement on the NPL based on a score of 28.5 or higher and further CERCLA action is warranted. However, as long as Litton continues to conduct remedial activities under the state Cooperative Program, further CERCLA actions are not being recommended at this time.



Site: Litton Sys  
 ID #: Modon 7152903  
 Break: 1.0  
 Other: 9-29-06  
B

Site Decision Made by: JAMIE BERNARD/RONALD KING

Signature: \_\_\_\_\_

Date: 10/26/2006